



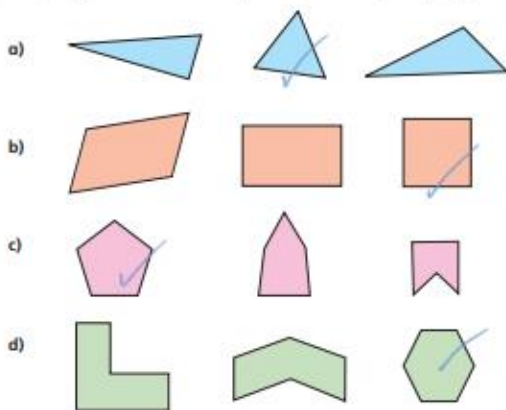
W.C.6th July 2020

<https://www.bbc.co.uk/bitesize/tags/zhgppg8/year-5-lessons/1>

Maths ANSWERS

Monday

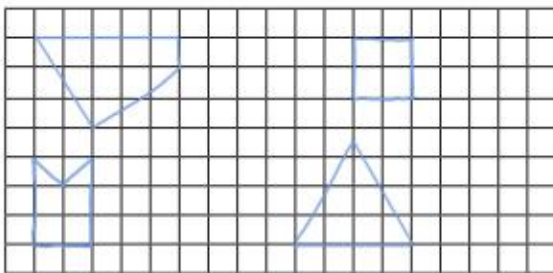
3 One polygon in each set is regular. Tick the regular polygon.



How did you know which one was regular without measuring?

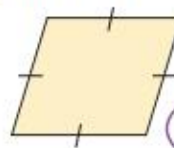
4 Draw two regular and two irregular polygons on the grid.

e.g.



Compare your polygons with a partner.
What is the same and what is different?

5 Here is a rhombus.



This is a regular polygon because all the sides are the same length.

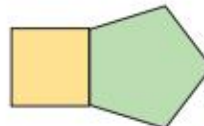


Do you agree with Ron? No

Explain your answer.

The angles are not all equal

6 Eva has drawn a square and a regular pentagon.



The compound shape is regular because both of the shapes I drew were regular.



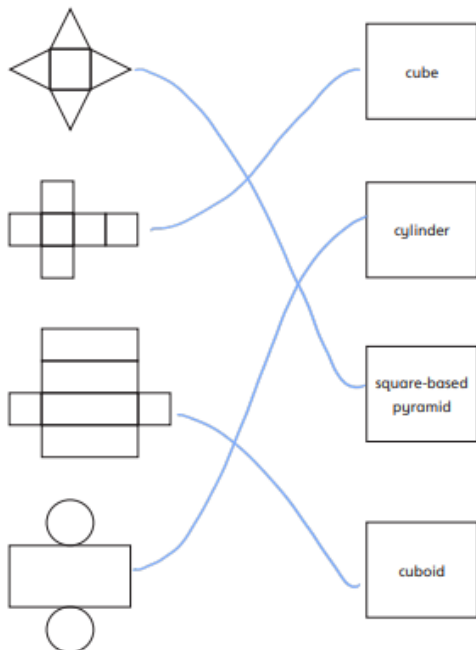
Do you agree with Eva? No

Explain your answer.

Reasoning about 3D shapes



1 Match the net to the correct label.



2 Complete the sentences.

a) The faces of a cube are all square.

b) A square-based pyramid has 4 triangular faces and 1 square face.

c) The net of a cylinder is made up of 2 circles and a rectangle.

3



The net of a cuboid is made up of 4 rectangles and 2 squares.

Whitney



The net of a cuboid is made up of 6 rectangles.

Rosie

Who do you agree with? Circle your answer.

Whitney

Rosie

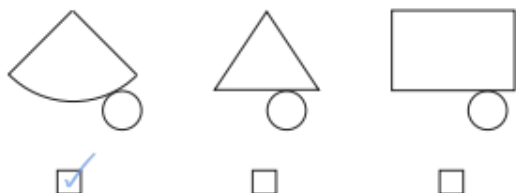
both of them

Explain your reasons.

Whitney is sometimes right if a cuboid has square faces. Rosie is always right as a square is a type of rectangle.

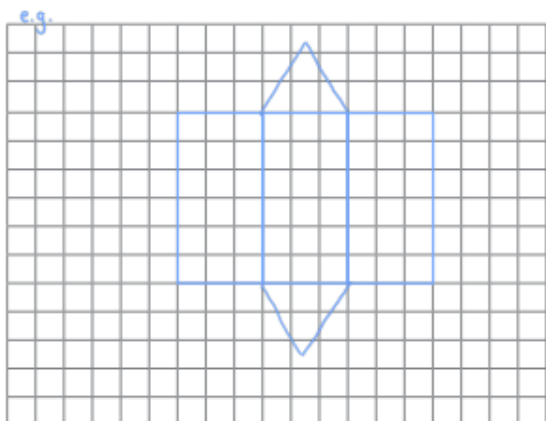
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4 Tick the diagram that is the net of a cone.

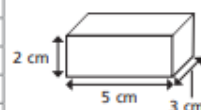
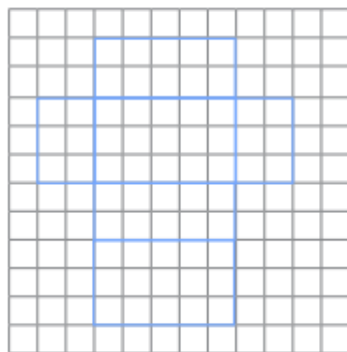


Compare answers with a partner.

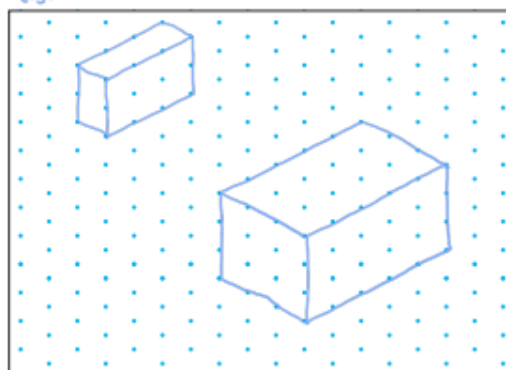
5 Draw the net for a triangular prism on the squared grid.



6 Draw an accurate net for this cuboid on the squared grid.



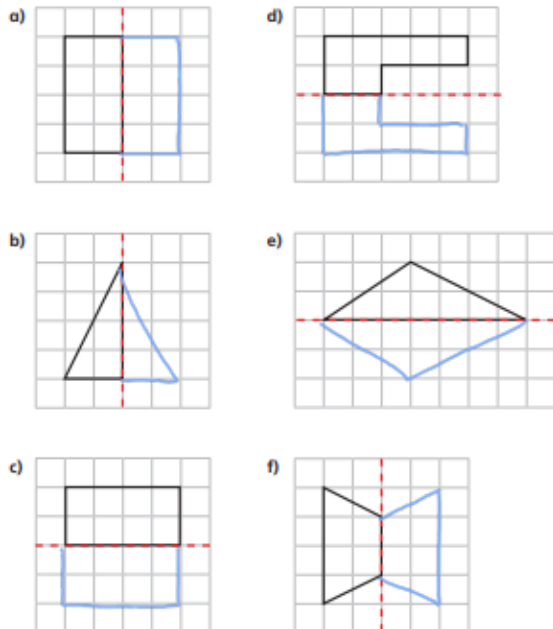
7 Draw two different cuboids on the isometric paper.



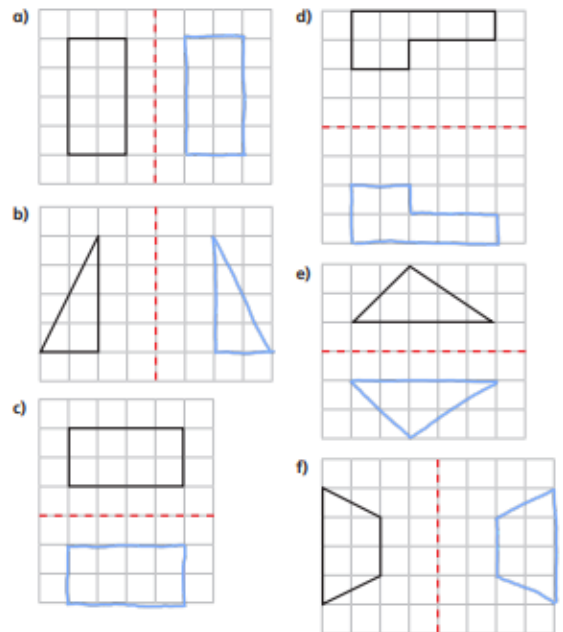
Reflection

White
Rose
Maths

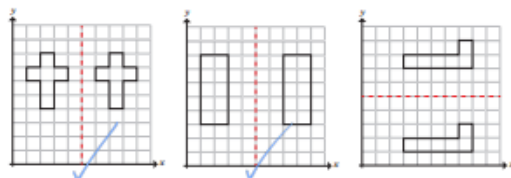
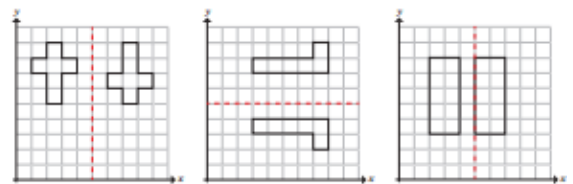
1 Reflect each shape in the mirror line.



2 Reflect each shape in the mirror line.

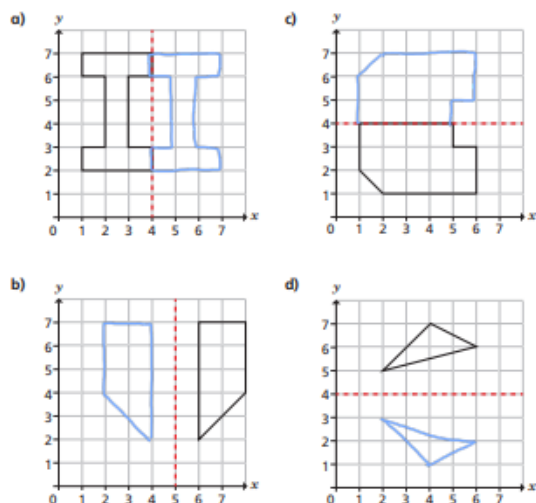


3 Which diagrams show a correct reflection in the given mirror line? Tick your answers.

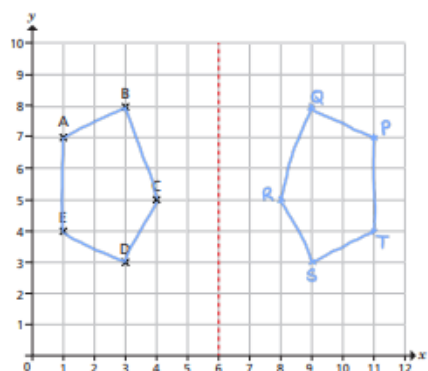


Talk to a partner about the mistakes that have been made.

4 Reflect the objects in the given mirror lines.



5 Five points are plotted on a coordinate grid.



a) Join the points to form a polygon. This is the object.

What type of polygon is the object? pentagon

b) Reflect the object in the given mirror line.

What type of polygon is the image? pentagon

c) Label the reflected vertices P, Q, R, S and T.

Write the new coordinates.

P (11, 7) Q (9, 8) R (8, 5)

S (9, 3) T (11, 4)

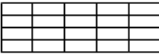
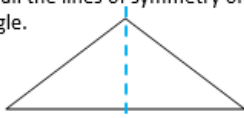
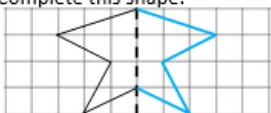
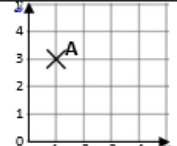
d) The image and the object are identical polygons.

Is this statement true or false? True

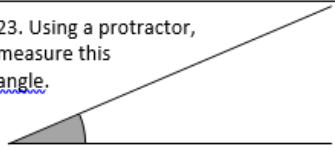
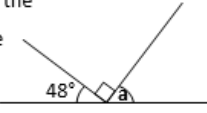
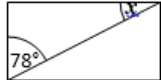
Talk about it with a partner.

Thursday

Mild

A: Place Value, Add and Subtract		B: Multiply, Divide and Fractions		C: Measure and Geometry	
1. What is the missing number? 14 21 28 42	4:1 35	11. $9 \times 12 =$	4:9 108	21. On the back of a film box it says length of the film is 97 minutes.	4:19 1 hour 37 minutes
2. What is the missing number? 36 48 54 60	4:1 42	12. Complete the sum that is equal to 36×7 : $3 \times \text{$ $\times 7$	4:10 12	How long is this in hours and minutes?	
3. Round this number to the nearest 10: 5,731	4:2 5,730	13. $68 \times 4 =$	4:11 272	22. What name is given to this type of angle?	4:24 Acute
4. Round this number to the nearest 100: 3,275	4:2 3,300	14. One wooden block is 4cm tall. If 14 blocks are piled up, how tall are they?	4:12 56cm		
5. What is the next number in this sequence: 4, 2, 0, -2,	4:3 -4	15. $\frac{?}{5} = \frac{4}{20}$ 	4:13 1	23. Draw all the lines of symmetry on this triangle.	4:25 1 line drawn
6. Write < or > to make this correct: 3,948 2,817	4:4 >	16. When I divide a number by 100, what fraction do I have?	4:14 $\frac{1}{100}$		
7. What number does this Roman Numeral represent? XC	4:5 90	17. $\frac{14}{13} - \frac{5}{13}$	4:15 $\frac{9}{13}$	24. Complete this shape:	4:26 Shape drawn
8. $2,725 - 834 =$	4:6 1,891	18. Write $\frac{7}{10}$ as a decimal number.	4:16 0.7		
9. Estimate the answer to: $6,504 + 4,478$	4:7 11,000	19. What is the value of the 9 in: 3.91	4:17 $\frac{9}{10}$	25. What are the co-ordinates of the point labelled A?	4:27 (1, 3)
10. Sarah had £65. She bought a £28 dress and a £17 bag. How much left?	4:8 £20	20. A log is 6 metres long. It is cut into quarters. How long is each piece?	4:18 1.5m		

Medium and Spicy

A: Place Value, Add and Subtract		B: Multiply, Divide and Fractions		C: Geometry and Problem Solving	
1. What is the value of the 9 in this number? 2,934,765	5:1 900,000	11. Circle all the multiples of 11. <u>11</u> 54 78 <u>121</u>	5:8 11, 121	21. A jug had 1.317 litres in it. A further 0.923 litres was added to it.	5:18 2.24 litres
2. Write fifty seven thousand, two hundred and thirty eight in digits.	5:1 57,238	12. Circle the composite (non-prime) numbers? 2 3 <u>9</u> 13 <u>15</u>	5:9 9, 15	How many litres are in the jug now?	
3. Round 163,824 to the nearest hundred thousand.	5:2 200,000	13. $4,962 \times 6$	5:10 29,772	22. Which of these is the largest?	5:19 b
4. What is the missing number? 366,270 266,270 66,270	5:2 166,270	14. $670.2 \div 10$	5:11 67.02	a. 55% b. $\frac{3}{5}$ c. 0.4	
5. Find the difference in temperatures. London -1°C Glasgow -9°C	5:3 8°C	15. Complete this sequence of cube numbers. 1 8 64	5:12 27	23. Using a protractor, measure this angle.	5:25 24° ($^{\circ} \div 2^{\circ}$)
6. Write this number in Roman Numerals: 509	5:4 DIX	16. Write <, = or > to make this correct: $\frac{1}{3}$ $\frac{5}{9}$	5:13 <		
7. $85,248 - 38,049 =$	5:5 47,199	17. Find an equivalent fraction of $\frac{6}{10}$. 	5:14 $\frac{60}{100}$ or $\frac{12}{20}$	24. Calculate the missing angle labelled a:	5:26 42°
8. $38,049 + 85,248 =$	5:5 123,297	18. Write $\frac{4}{2}$ as an improper fraction.	5:15 $\frac{9}{2}$		
9. Complete this sum without written working. $13,200 + 6,450 =$	5:6 19,650	19. $\frac{5}{8} \times 24 =$	5:16 15	25. A diagonal has been drawn through this rectangle.	5:27 12°
10. 38,276 seats out of 40,000 are taken. How many are empty?	5:7 1,724	20. Round 3.71 to the nearest whole number.	5:17 4		

Friday

1 Fill in the missing numbers.

100 less than 20,000 is **19,900**

600 more than 20,000 is 20,600

2



25% of my number is 24

What number is Teddy thinking of?

$$24 \times 4 = 96$$

Teddy is thinking of 96

1 Ron and Eva each make a 3-digit number from these digit cards.

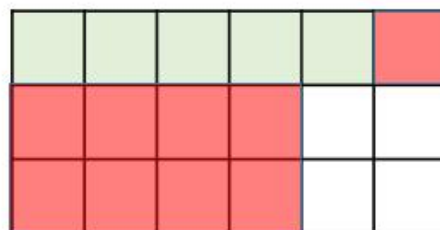


- Ron makes the largest even number possible. **836**
- Eva makes the smallest odd number possible. **683**

What is the difference between their numbers?

$$836 - 683 = 153$$

3 Lucy shades in part of a rectangle.



She shades some more squares.

$\frac{7}{9}$ of the rectangle is now shaded.

How many more squares did Lucy shade?

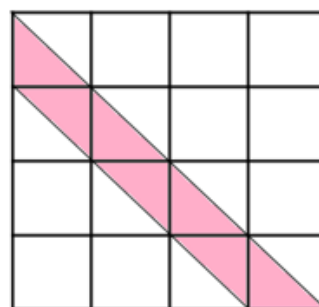
Lucy shades 9 more squares.



2 Circle all the fractions that are greater than 1 but less than 2

$$\frac{12}{5} \quad \frac{12}{6} \quad \frac{12}{7} \quad \frac{12}{8}$$

3 What fraction of this shape is shaded?



$$\frac{7}{32}$$



- 1 Which of these numbers round to 2,000 to the nearest 100?

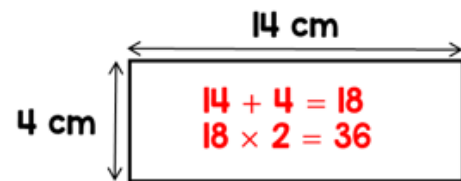
1,950 2,312 2,099 2,045

- 2 What are the missing numbers?

$$6.4 = 1 + \boxed{5.4}$$

$$3\frac{2}{5} = 1 + \frac{\boxed{12}}{5}$$

- 3 Annie has a 1 metre piece of wire. She cuts the wire into two pieces. She uses the smaller piece to make this rectangle.



She uses the other piece of wire to make a square.

What is the length of one side of the square? $100 - 36 = 64$
 $64 \div 4 = 16$

One side of the square is 16 cm.